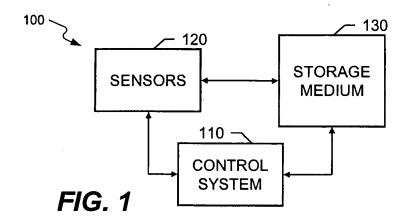
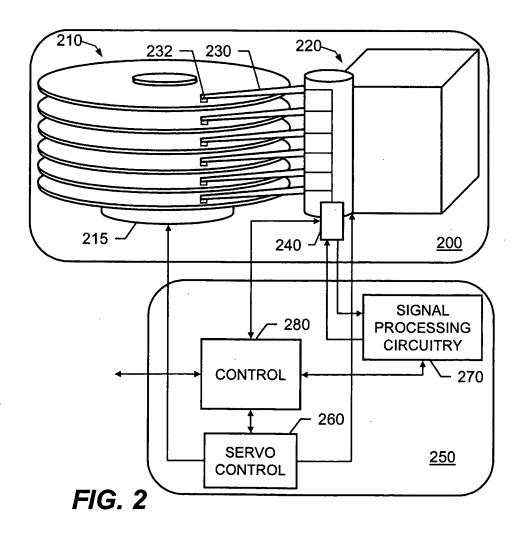
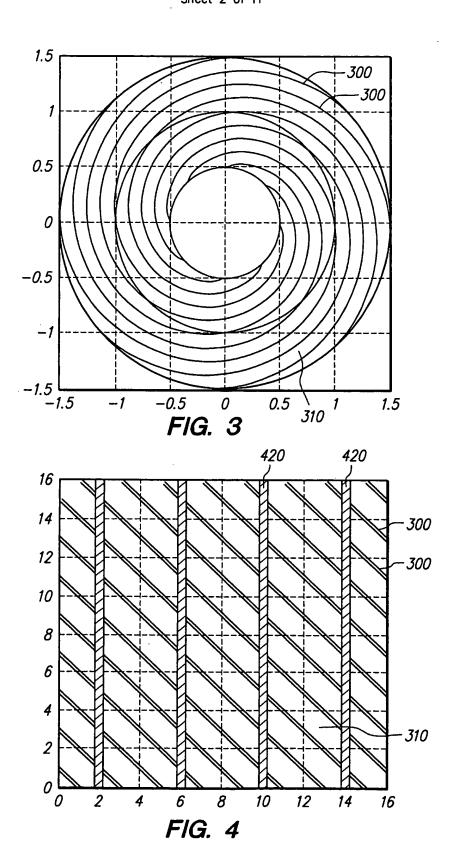
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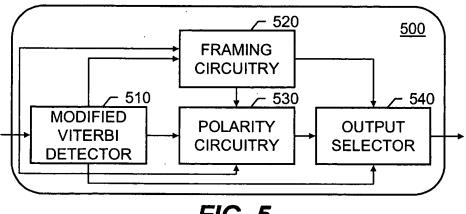


FIG. 5

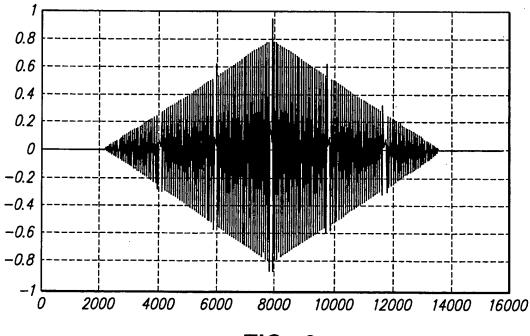


FIG. 6

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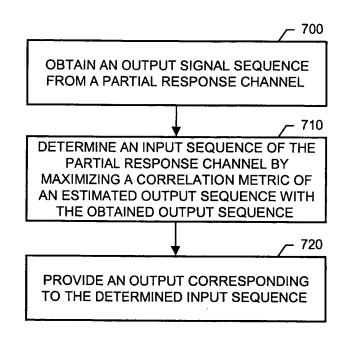


FIG. 7

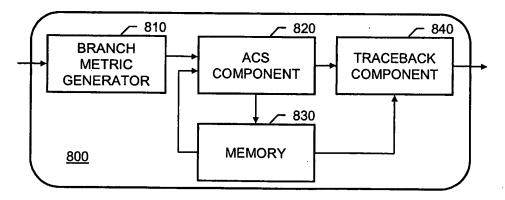


FIG. 8

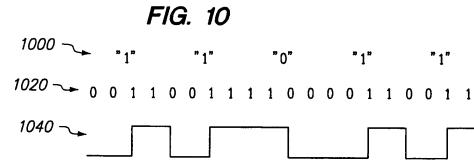
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900 **FIG. 9**

1060

1080 -

					for Each Symbol
	Current Symbol	State Transitions	Output Peaks		Shoulder sampling
"0"(1100)	"0"(1100)	1100->1100	X0-0 +0-0	1,0,-1,0	1,1,-1,-1
"0"(1100)	"1"(0011)	1100->0011	X0-0 00+0	0,0,1,0	0,0,1,1
		0011->1100			
"1"(0011)	"1"(0011)	0011->0011	X0+0 -0+0	-1,0,1,0	-1,-1,1,1



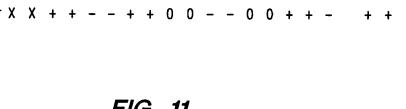


FIG. 11

1150

1100

1100

00x

0011

--++

0011

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1200

FIG. 12

		, , <u>G</u>	. 12				·	
Phase 0		PI	nase 1	Pł	nase 2	Phase 3		
output	accumulator	output	accumulator	output	accumulator	output	accumulator	
0	672	1	1036	1	2074	1	1215	
0	672	1	1036	1	2074	0	1215	
0	672	0	1036	1	2074	1	1215	
0	672	1	1036	1	2074	0	1215	
0	672	1	1036	1	2074	0	1216	
0	672	1	1036	1	2075	0	1216	
1	672	1	1037	1	2076	1	1216	
1	673	0	1037	0_	2076	0	1216	
0	673	. 1	1037	1	2076	0	1216	
0	673	1	1037	1	2076	0	1216	
0	673	1	1037	1	2076	0	1216	
0	673	1	1037	1	2076	0	1216	
0	673	1	1037	1	2076	1	1216	
0	673	0	1037	1	2077	1	1217	
0	673	0	1037	1	2078	1	1217	
0	673	0	1037	0	2078	0	1218	
0	673	1	1037	1	2078	1	1218	
0	673	1	1037	1	2078	0	1218	
0	673	1	1037	1	2078	0	1218	
0	673	1	1037	1	2078	1	1218	
0	673	0	1037	1	2078	1	1218	
1	674	0	1037	1	2079	1	1218	
1	674	0	1038	1	2080	1	1218	
0	675	0	1038	0	2080	0	1218	
0	675	1	1038	1	2080	0	1218	
0	675	0	1038	1	2080	1	1218	
0	675	0	1038	1	2080	0	1218	
0	675	1	1038	1	2080	0	1218	
0	675	1	1038	1	2080	0	1219	
1	675	1	1039	1	2081	0	1219	
1	675	1	1039	1	2082	1	1219	
0	676	0	1039	0	2082	0	1219	
0	676	1	1039	1	2082	0	1219	
0	676	1	1039	1	2082	0	1219	
0	676	1	1039	1	2082	1	1219	
0	676	1	1039	1	2082	0	1219	
0	676	1	1039	1	2082	1	1219	
0	676	0	1039	1	2083	1	1219	
0	676	0	1040	1	2085	1	1219	

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1300

FIG. 13

Phase 0 Phase 1 Phase 2 Phase 3 output accumulator output accumulator output accumulator 1 output accumulator output accumulator output accumulator 1 output accumulator output accumulator output accumulator 1 1 672 0 1036 0 2074 0 121 1 672 0 1036 0 2074 0 125 1 672 0 1036 0 2074 1 125 1 672 0 1036 0 2074 1 125 1 672 0 1036 0 2074 1 121 1 672 0 1036 0 2075 1 121 1 672 0 1037 0 2076 0 121 1 673 1 1037 1 2076 1 121 0 673 0 1037 0 2076 1 121 1 673	10tor 5 5 11 6 6 6
1 672 0 1036 0 2074 0 121 1 672 0 1036 0 2074 1 121 1 672 1 1036 0 2074 0 125 1 672 0 1036 0 2074 1 125 1 672 0 1036 0 2074 1 121 1 672 0 1036 0 2075 1 121 1 672 0 1037 0 2076 0 121 0 673 1 1037 1 2076 1 121 0 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673	5 5 1 6 6 6
1 672 0 1036 0 2074 1 121 1 672 1 1036 0 2074 0 125 1 672 0 1036 0 2074 1 125 1 672 0 1036 0 2074 1 121 1 672 0 1036 0 2075 1 121 1 672 0 1037 0 2076 0 121 0 673 1 1037 1 2076 1 121 0 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673	5 01 6 6 6
1 672 1 1036 0 2074 0 125 1 672 0 1036 0 2074 1 125 1 672 0 1036 0 2074 1 121 1 672 0 1036 0 2075 1 121 1 672 0 1037 0 2076 0 121 0 673 1 1037 1 2076 1 121 0 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 0 121 1 673 0 1037 0 2076 0 121 1 673	6 6 6 6
1 672 0 1036 0 2074 1 125 1 672 0 1036 0 2074 1 121 1 672 0 1036 0 2075 1 121 1 672 0 1037 0 2076 0 121 0 673 1 1037 1 2076 1 121 0 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 0 121 1 673 1 1037 0 2077 0 121 1 673	6 6 6 6
1 672 0 1036 0 2074 1 121 1 672 0 1036 0 2075 1 121 1 672 0 1037 0 2076 0 121 0 673 1 1037 1 2076 1 121 0 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 0 121 1 673 1 1037 0 2076 0 121 1 673 1 1037 0 2077 0 121 1 673	6 6 6
1 672 0 1036 0 2075 1 121 1 672 0 1037 0 2076 0 121 0 673 1 1037 1 2076 1 121 0 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 0 121 1 673 1 1037 0 2076 0 121 1 673 1 1037 0 2077 0 121 1 673 1 1037 0 2078 0 121 1 673	6 6 6
1 672 0 1037 0 2076 0 121 0 673 1 1037 1 2076 1 121 0 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 0 121 1 673 1 1037 0 2076 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 673	6 6
0 673 1 1037 1 2076 1 121 0 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 0 121 1 673 0 1037 0 2076 0 121 1 673 1 1037 0 2076 0 121 1 673 1 1037 0 2077 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 0 2078 1 121 1 673 0 1037 0 2078 1 121 1 673	6
0 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 0 121 1 673 1 1037 0 2076 0 121 1 673 1 1037 0 2077 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 673 0 1037 0 2078 0 121 1 673 0 1037 0 2078 1 121 1 673	
1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 0 121 1 673 1 1037 0 2077 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 1 2078 1 121 1 673 1 1037 0 2078 0 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 0 121 1 673	<u></u>
1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 0 121 1 673 1 1037 0 2077 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 1 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 0 1037 0 2078 0 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 674	Ö
1 673 0 1037 0 2076 1 121 1 673 0 1037 0 2076 0 121 1 673 1 1037 0 2077 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 1 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 0 1037 0 2078 0 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 674	6
1 673 0 1037 0 2076 0 121 1 673 1 1037 0 2077 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 1 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 674 1 1037 0 2079 0 121 1 674	6
1 673 1 1037 0 2077 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 1 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 674 1 1037 0 2079 0 121 1 674	6
1 673 1 1037 0 2077 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 1 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 674 1 1037 0 2079 0 121 1 674 1 1038 0 2080 1 121 0 675	6
1 673 1 1037 1 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 674 1 1037 0 2079 0 121 1 674 1 1038 0 2080 0 121 0 675 1 1038 1 2080 1 121 1 675 1 1038 0 2080 1 121 1 675	
1 673 0 1037 0 2078 0 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 0 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 674 1 1037 0 2079 0 121 1 674 1 1038 0 2080 0 121 0 675 1 1038 1 2080 1 121 0 675 0 1038 0 2080 1 121 1 675 1 1038 0 2080 1 121 1 675 1 1038 0 2080 1 121 1 675	7
1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 674 1 1037 0 2079 0 121 1 674 1 1038 0 2080 0 121 0 675 1 1038 1 2080 1 121 0 675 0 1038 0 2080 1 121 1 675 1 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675	8
1 673 0 1037 0 2078 1 121 1 673 0 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 674 1 1037 0 2079 0 121 1 674 1 1038 0 2080 0 121 0 675 1 1038 1 2080 1 121 0 675 0 1038 0 2080 1 121 1 675 1 1038 0 2080 0 121 1 675 1 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675	8
1 673 0 1037 0 2078 0 121 1 673 1 1037 0 2078 0 121 1 674 1 1037 0 2079 0 121 1 674 1 1038 0 2080 0 121 0 675 1 1038 1 2080 1 121 0 675 0 1038 0 2080 1 121 1 675 1 1038 0 2080 0 121 1 675 1 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675	8
1 673 1 1037 0 2078 0 121 1 674 1 1037 0 2079 0 121 1 674 1 1038 0 2080 0 121 0 675 1 1038 1 2080 1 121 0 675 0 1038 0 2080 1 121 1 675 1 1038 0 2080 0 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675	
1 674 1 1037 0 2079 0 121 1 674 1 1038 0 2080 0 121 0 675 1 1038 1 2080 1 121 0 675 0 1038 0 2080 1 121 1 675 1 1038 0 2080 0 121 1 675 1 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675	8
1 674 1 1038 0 2080 0 121 0 675 1 1038 1 2080 1 121 0 675 0 1038 0 2080 1 121 1 675 1 1038 0 2080 0 121 1 675 1 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1039 0 2081 1 121	8
1 674 1 1038 0 2080 0 121 0 675 1 1038 1 2080 1 121 0 675 0 1038 0 2080 1 121 1 675 1 1038 0 2080 0 121 1 675 1 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1039 0 2081 1 121	8
0 675 0 1038 0 2080 1 121 1 675 1 1038 0 2080 0 121 1 675 1 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1039 0 2081 1 121	
1 675 1 1038 0 2080 0 121 1 675 1 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1039 0 2081 1 121 1 675 0 1039 0 2081 1 121	8
1 675 1 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1039 0 2081 1 121 1 675 0 1039 0 2081 1 121	8
1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1039 0 2081 1 121	8
1 675 0 1038 0 2080 1 121 1 675 0 1038 0 2080 1 121 1 675 0 1039 0 2081 1 121	8
1 675 0 1039 0 2081 1 121	
	9
	9
1 675 0 1039 0 2082 0 121	9
0 676 1 1039 1 2082 1 121	
0 676 0 1039 0 2082 1 121	
1 676 0 1039 0 2082 1 121	9
1 676 0 1039 0 2082 0 121	
1 676 0 1039 0 2082 1 121	
1 676 0 1039 0 2082 0 121	
1 676 1 1039 0 2083 0 121	
1 676 1 1040 0 2085 0 121	9
1 676 1 1040 1 2085 1 121	9 9

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FIG. 14-1

	64	sampling	phases	that	cover	a	complete	symbol	duration	wi th	16x	over-sampling
1												
2	l —				·							
3	l											
4 5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15						_						
16												
17									<u></u>			
18 19				_								
20	_	· · · · · · · · · · · · · · · · · · ·										
21												
22												
23												
24												
25		·- ·					· ·····					xx
26												
27				<u></u>								xxx
28	XXX	×	·				XXXX	xxxx_				
29							^^^^	^ ^				X X
30 31		.xx					XXXXX	XXXXX_			·····	
32							XXXX	xxx				xx
33		_^			· · · · ·			XXXXX_			-	xx
34		Y					^^^^^	~				xx
35							^^	^^^^^	· 			x
36												
37		X										
38					XXXX	ХX	XXXXXXX	XXXXXX	xxxxxx	x		xxxxxxx
39	XXX	x										
40	_x x	xxxxx			XXXX	ΚX	XXXXXX	KXXXX	xxxxxx	x		x
41							XXXXXXX	xxxx x				
42		x_			XXXX	(X	XXXXXXX	KXXXX	xxxxxx	×		
43						_X	XXXXXXX	(XXXXX	x			

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FIG. 14-2

45 46 47 48 49 50 51 52 x 53 54 55 56 57 58 59 60 61 62 62 63 64 65 66 67	
46	
47 48 49 50 x 51 52 x 53 54 55 56 57 58 x 59 60 61 62 62 63 64 65 66 67	
48	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
49 50	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
50	xxxxxxxxxxxxxxxxxxxxxxxxxxxx
51	
52	XXXXXXXXXXXXXXX
53	
54	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
55	xxxxxxxxxxxxxxx
56 57 58	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
57 58 59 60 61 62 63 64 65 66 67	xxxxxxxxxxxxxxxxx
58	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
59	XXXXXXXXXXXXXXXXX
60	
61	xxxxxxxxxxxxxxxxx
62	
63 64 65 66 67	XXXXXXXXXXXXXXXXXX
64 65 66 67	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
65 66 67	XXXXXXXXXXXXXXXXX
66	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
67	XXXXXXXXXXXXXXXXXXX
امما	xxxxxxxxxxxxxxxxxxx
(××××××××××××××××××××××××××××××××××××××
69 xxx	
70 xxxxxxxxxxxxxxxx	
1 - A	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
72xxxxx_	xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

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FIG. 15-1

	64 sampling phases that cover a complete symbol duration with 16x over-samplin
1	
١	
١	
I	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
ı	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
į	X_XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
١	****************
ı	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ı	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ı	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ı	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ı	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ı	xxxxxxxxxxxxxxxxxxxxxxxxxxxxx
ı	xxxxxxxxxxxxxxxxxxxxxxxxxxxx
l	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
١	XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
İ	xxxxxxxxxxxxxxxxxxxxxxxxxxxxx
	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
ļ	xxxxxxxxxxxxxxxxxxxxxxxxxxxxx
١	xxxxxxxxxxxxxxxxxxxxxxxxxx
I	xxxxxxxxxxxxxxxxxxxxxxxxxxxx
ı	XXXXXXXXXXXXXXXXXXXXXXXXXX
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ı	XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
	xxxxxxxxxxxxxxxxxxxxxxxxx
l	xxxxxxxxxxxxxxxxxxxxxxx
l	xxxxxxxxxxxxxxxxxxxxxxxxxxxx
l	xxxxxxxxxxxxxxxxxxxxxxxxxx
l	xxxxxxxxxxxxxxxxxxxxxxxxxxxxx
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
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ı	_xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
	xxxxxxxxxxxxxxxxxxxxxxxx
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxx
l	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

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FIG. 15-2

44	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
45	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
46	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
47	
48	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
49	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
50	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
51	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
52	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
53	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
54	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
55	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
56	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
57	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
58	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
59	XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
60	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
61	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
62	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
63	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
64	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
65	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
66	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
67	XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
68	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
69	XXX
70	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx